

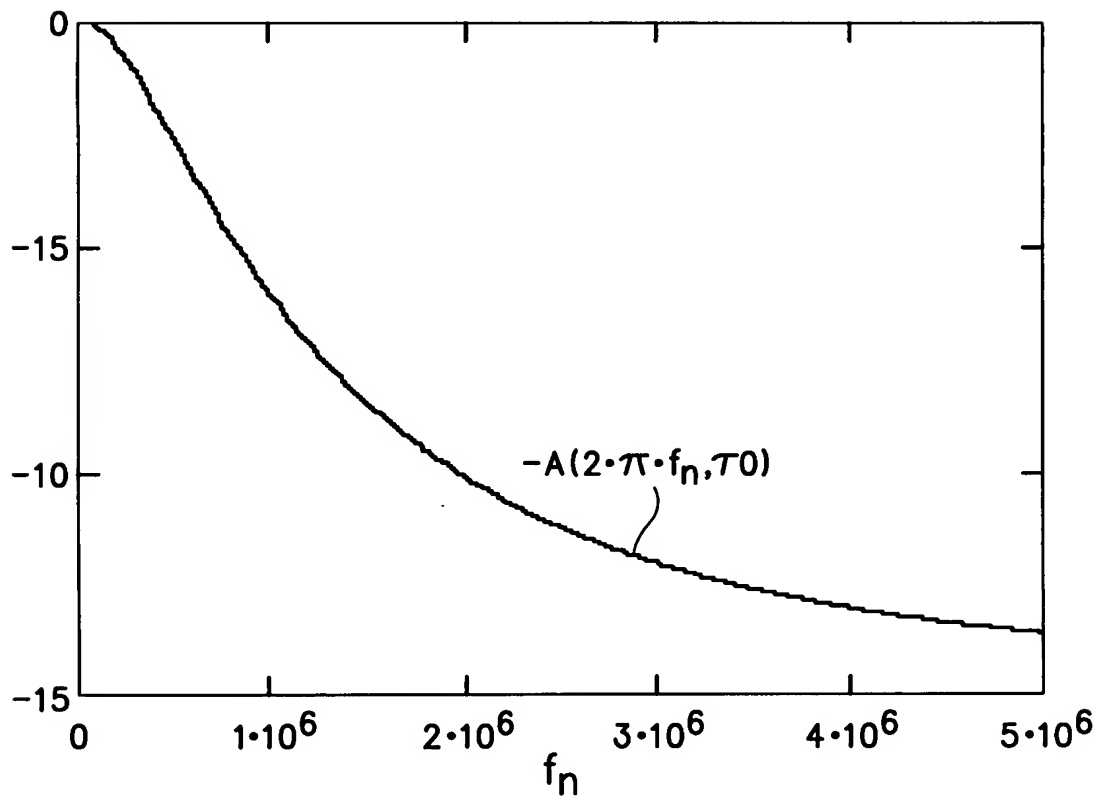


Subjectively Weighted Noise Measurement
Inventor: Kevin M. Ferguson Docket No. 7636US1

1/3

$$\tau_0 := 245 \cdot 10^{-9} \quad \text{SECONDS} \quad \alpha := 4.5$$

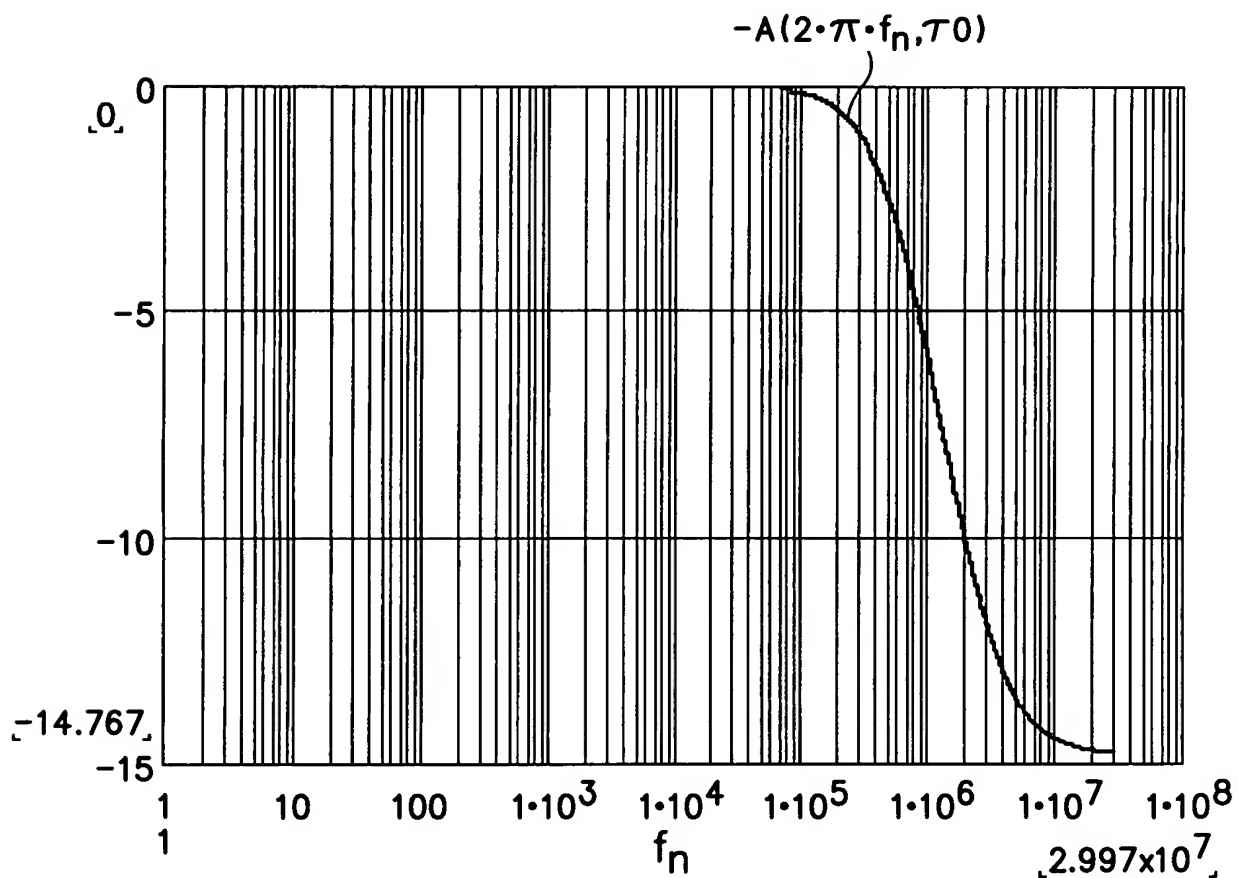
$$A(\omega, \tau) := 10 \cdot \text{LOG} \left[\frac{\left[1 + \left[\left(1 + \frac{1}{\alpha} \right) \cdot \omega \cdot \tau \right]^2 \right]}{1 + \left(\frac{1}{\alpha} \cdot \omega \cdot \tau \right)^2} \right]$$



(REC. 567-2 FIG.22 INVERTED)

FIG.1

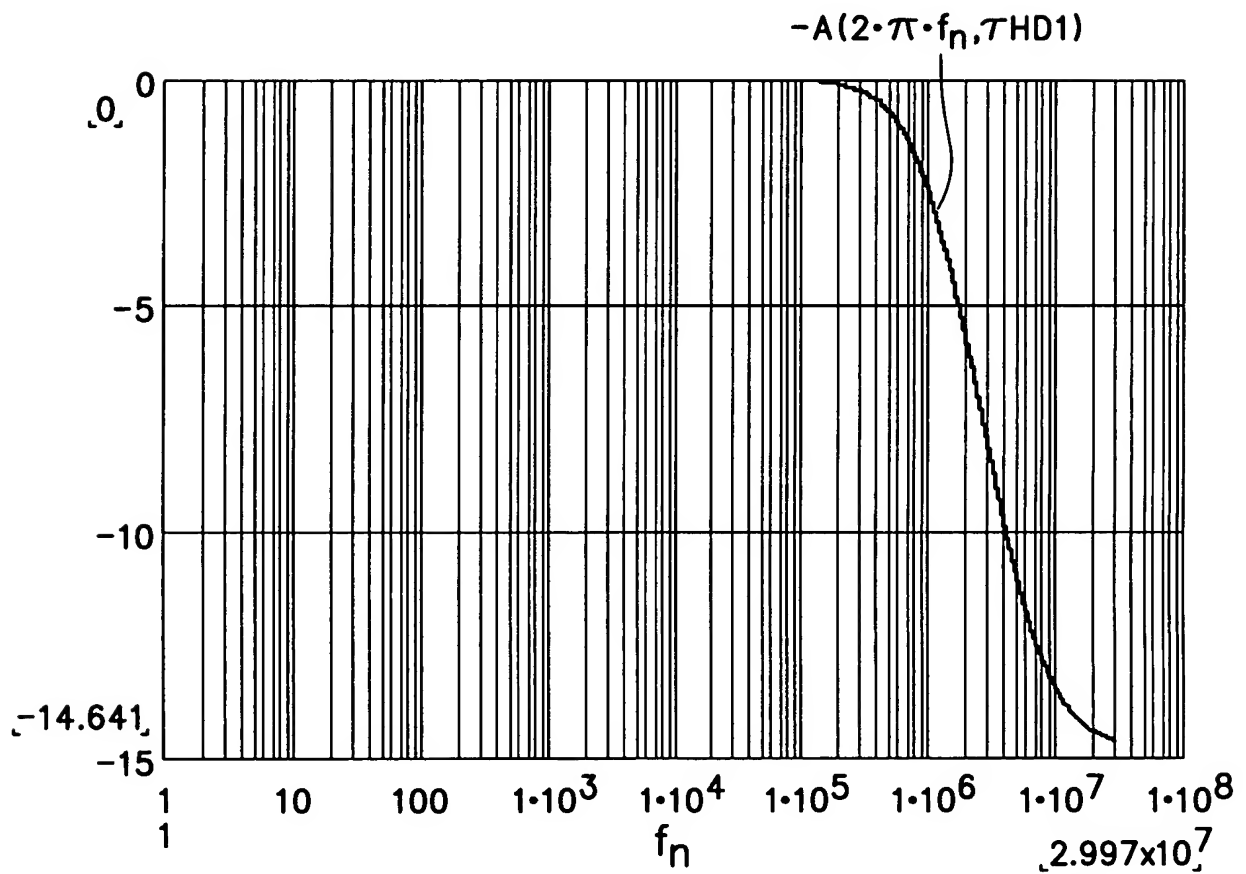
2/3



UNIFIED WEIGHTING CHARACTERISTIC FOR NTSC

FIG.2A

3/3



UNIFIED WEIGHTING CHARACTERISTIC RESCALED FOR HDTV

FIG.2B